

CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

## REPORT

CD NO.

COUNTRY Bulgaria

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D).

SUBJECT Report on Traffic Conditions  
on the Bulgarian Railroads

NO. OF PAGES 2

PLACE  
ACQUIRED

NO. OF ENCLS.  
(LISTED BELOW)

DATE OF INFO

SUPPLEMENT TO  
REPORT NO.

50X1-HUM

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT 50 U.S.C. § 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

50X1-HUM

50X1-HUM

1. The following information on Bulgarian railroad traffic was [redacted]  
[redacted] approved by A. A. Kustalov, head of the Soviet Railroad Mission to Bulgaria.

- ## 2. Weights and speed of freight and passenger trains.

<u>Type of train</u>	<u>Maximum weight in tons</u>	<u>Speed in kilometers</u>	<u>Percent of total track on which these trains would be operated</u>
----------------------	-----------------------------------	--------------------------------	---

## 2. Freight Trains

Mineral and Coal trains, long distance	1,800	45	20
---	-------	----	----

Mineral and Coal trains, normal distance	2,200	40-50	35
---	-------	-------	----

Freight express trains (between ports and industrial centers)	500	55-60	18
---	-----	-------	----

Mixed freight trains (agricultural produce, wood, cattle, et cetera) using locomotives with a minimum axle pressure of 15 tons	1,500	40	25
---	-------	----	----

b. Passenger Trains

Passenger trains, long distance, fast (only stopping at important stations)	600	80
--	-----	----

International express trains	500	90
------------------------------	-----	----

CLASSIFICATION <del>SECRET</del> /CONTROL - U. S. OFFICIALS ONLY										
STATE	<input checked="" type="checkbox"/>	NAVY		NSRB		DISTRIBUTION				
ARMY		AIR		FBI						

50X1-HUM

SECRET/CONTROL - U. S. OFFICIALS ONLY

CENTRAL INTELLIGENCE AGENCY

- 2 -

50X1-HUM

Other express trains	400	90	-
Local trains (stopping at all stations)	300	60-70	-
Workmen's trains	400	55	-

3. There is hardly one line in the country permitting a normal axle pressure of 14-20 tons, though on some of the main lines 16-18 tons is possible, as indicated below:

<u>Maximum permissible axle pressure in tons</u>	<u>Percent of track on which this axle pressure is permissible</u>
14	25
14-16	20
17-18	50
20	5

4. The track conditions in Bulgaria are the worst in Europe and compare unfavorably with those on the Yugoslav or Soviet railroads with normal axle pressures of 18 and 20 tons respectively.
5. Bulgaria possesses 17 different types of locomotives for passenger trains and 23 different types for freight trains as well as 21 types of locomotives without tenders. All this is highly detrimental to traffic on the Bulgarian railways, a finding with which Kustalov and the Soviet Railroad Mission strongly concur.

SECRET/CONTROL - U. S. OFFICIALS ONLY